

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Group Art Unit:

2812

VON AMMON ET AL.

Examiner:

Unknown

Serial No.:

10/809,070

Filed:

March 25, 2004

For:

METHOD AND DEVICE FOR THE PRODUCTION OF A SILICON SINGLE CRYSTAL, SILICON SINGLE CRYSTAL,

AND SILICON SEMICONDUCTOR WAFERS WITH

**DETERMINED DEFECT DISTRIBUTIONS** 

Attorney Docket No.: WSAG 0143 PUS

# INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Mail Stop Amendment Commissioner for Patents U.S. Patent & Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and §§ 1.97-1.98, the references listed and identified on the attached Forms PTO/SB08A and/or SB08B are being submitted herewith for consideration by the Examiner. This statement is being filed in accordance with 37 C.F.R. § 1.97(b).

While this Statement is being filed in compliance with the duty of disclosure, citation of the listed references is not to be construed as an admission that any of the references are "material" as defined under 37 C.F.R. § 1.56(b).

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8 (FIRST CLASS MAIL)

I hereby certify that this paper, including all enclosures referred to herein, is being deposited with the United States Postal Service as first-class mail, postage pre-paid, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, U.S. Patent & Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 op

12/5/2005

William G. Conger Name of Person Signing

Signature

Date of Deposit

Atty Dkt No. WSAG 0143 PUS

S/N: 10/809,070

Accompanying the Information Disclosure Statement is the statement of Dr. Wolfgang Staudacher describing the content of the references cited in the Information Disclosure Statement.

No copies of the listed U.S. patent references or the listed U.S. patent application publication references have been included herewith pursuant to 37 C.F.R. § 1.98(a)(2). All other references have been provided as required. Consideration and entry into the record of the listed references is respectfully requested.

Respectfully submitted,

VON AMMON ET AL.

William G. Conger Reg. No. 31,209 Attorney for Applicant

Date: December 5,2005

**BROOKS KUSHMAN P.C.** 

1000 Town Center, 22nd Floor Southfield, MI 48075-1238

Phone: 248-358-4400 Fax: 248-358-3351



#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: VON AMMON ET AL

Serial Number: 10/809,070 Group Art Unit: 2812

Filed: 03/25/2004

For: METHOD AND DEVICE FOR THE PRODUCTION OF A SILICON SINGLE CRYSTAL, SILICON SINGLE CRYSTAL, AND SILICON SEMICONDUCTOR

WAFERS WITH DETERMINED DEFECT DISTRIBUTIONS

#### Information Disclosure Statement

Honorable Commissioner of Patents and Trademarks Washington, D.C. 20231

#### Sir or Madam:

I, Wolfgang Staudacher, associated with the preparation and prosecution of the above-identified application, residing at Seebauerstraße 4, 81735 München, Germany, wish to call the attention of the Patent Examiner to the references enumerated on the enclosed PTO Form-1449.

I believe the documents enumerated on the enclosed Form PTO-1449 and attached thereto, are cited in an Office Action of the German Patent and Trademark Office and in an Office Action of the Korean Patent Office and may be material to the examination of the application.

Therefore, it is respectfully requested that the foregoing Information Disclosure Statement be considered by the Examiner and incorporated into the file of this application.

I wish to comment as follows concerning the prior art references enumerated on PTO Form-1449:

For KR 2002-81470, cited by the Korean Patent Office, the equivalent EP 1 270 769 A1 is enclosed, which is already in the English language.

For JP 2003-002782 A, cited by the German Patent Office, a Patent Abstract of Japan and an English translation is enclosed.

For JP 05-294782 A, cited by the German Patent Office, a Patent Abstract of Japan is enclosed.

US 2001/0047749 A1, cited by the German Patent Office, is already in the English language.

Signed this 24th day of November, 2005.

Dr. Wolfgang Staudacher

DEC 9 8 2005 THADEAN

Sheet 1

PTO/SB/08A (08-03) Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

der the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

| Complete if Known      |                  |   |  |  |
|------------------------|------------------|---|--|--|
| Application Number     | 10/809,070       |   |  |  |
| Filing Date            | 03/25/2004       |   |  |  |
| First Named Inventor   | von Ammon et al. |   |  |  |
| Art Unit               | 2812             |   |  |  |
| Examiner Name          |                  | - |  |  |
| Attorney Docket Number | WSAG 0143 PUS    |   |  |  |

|                              |              |  |  | DOCUMENTS  |   |
|------------------------------|--------------|--|--|--|---|
| Examiner Cite Initials* No.1 | Cite<br>No.1 | Document Number  Number-Kind Code <sup>2 (# known)</sup> | Publication Date MM-DD-YYYY                      | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                              | -            | Number-Kind Code   | <del>                                     </del> |  | - Igures / ppear  |
|                              | İ            | <sup>US-</sup> 2001/0047749 A1                           | 12-06-2001                                       | Watanabe et al.                                    |   |
|                              |              | us-  |  |  |   |
|                              |              | US-  | <u> </u>   |  |   |
|                              |              | US-  |  |  |   |

| FOREIGN PATENT DOCUMENTS    |              |   |                     |  |   |          |
|-----------------------------|--------------|---|---------------------|--|---|----------|
| Examiner Cite Initials* No. | Cite<br>No.1 | Foreign Patent Document   | Publication<br>Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages |          |
|                             |              | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) | MM-DD-YYYY          |  | Or Relevant Figures Appear                        | T⁵       |
|                             |              | EP 1 270 769 A1   | 01-02-2003          | Komatsu Denshi Kin.                                |   |          |
|                             |              |   |                     |  |   |          |
|                             |              |   |                     |  |   | <u> </u> |
| <del>1</del>                | <b> </b>     |   |                     |  |   | ┢        |
| <del></del>                 |              | <u> </u>  |                     |  |   | ┢        |
|                             |              | L   |                     |  |   |          |

| Examiner  | Date       |  |
|-----------|------------|--|
| Signature | Considered |  |
| -         | 1          |  |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Interest of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE of a collection of information unless it contains a valid OMB contains.

| Substitute for form 1449/PTO      |         | Complete if Known |          |                        |                  |
|-----------------------------------|---------|-------------------|----------|------------------------|------------------|
| - Substitute 101 101111 1443/1 10 |         |                   |          | Application Number     | 10/809,070       |
| INFO                              | RMATION | DIS               | CLOSURE  | Filing Date            | 03/25/2004       |
| STATEMENT BY APPLICANT            |         |                   | PPLICANT | First Named Inventor   | von Ammon et al. |
| (Use as many sheets as necessary) |         |                   |          | Art Unit               | 1812             |
|                                   |         |                   |          | Examiner Name          |                  |
| Sheet 2                           |         | of                | 2        | Attorney Docket Number | WSAG 0143 PUS    |

| NON PATENT LITERATURE DOCUMENTS |                          |   |                |  |
|---------------------------------|--------------------------|---|----------------|--|
| Examiner<br>Initials*           | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |  |
|                                 |                          | Patent Abstract of Japan corresponding to JP 2003-002782 A  |                |  |
|                                 |                          | Patent Abstract of Japan corresponding to JP 05-294782 A  |                |  |
|                                 |                          |   |                |  |
|                                 |                          |   |                |  |
|                                 |                          |   |                |  |
|                                 |                          |   |                |  |
|                                 |                          |   |                |  |
|                                 |                          |   |                |  |
|                                 |                          |   |                |  |
|                                 |                          |   |                |  |

| Examiner  | Date       |
|---|------------|
| Cimmatura   |            |
| Signature   | Considered |
| ACTION OF THE PROPERTY OF THE |            |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.